

Prepared on behalf of the Planetary Geology and Geophysics Program, Solar System Exploration Division, Office of Space Science, National Aeronautics and Space Administration.  
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#### NOTES ON BASE

This map, compiled photogrammetrically from Viking Orbiter stereo image pairs, is part of a series of topographic maps of areas of special scientific interest on Mars.

#### ADOPTED FIGURE

The figure of Mars used for the computation of the map projection is an oblate spheroid (flattening of 1/76.675) with an equatorial radius of 3396.0 km and a polar radius of 3376.8 km (Kirk and others, 2000). The datum (the 0-km contour line) for elevation is defined as the equipotential surface (gravitational plus rotation) whose average value at the equator is equal to the mean radius as determined by Mars Orbiter Laser Altimeter (MOLA; Smith and others,

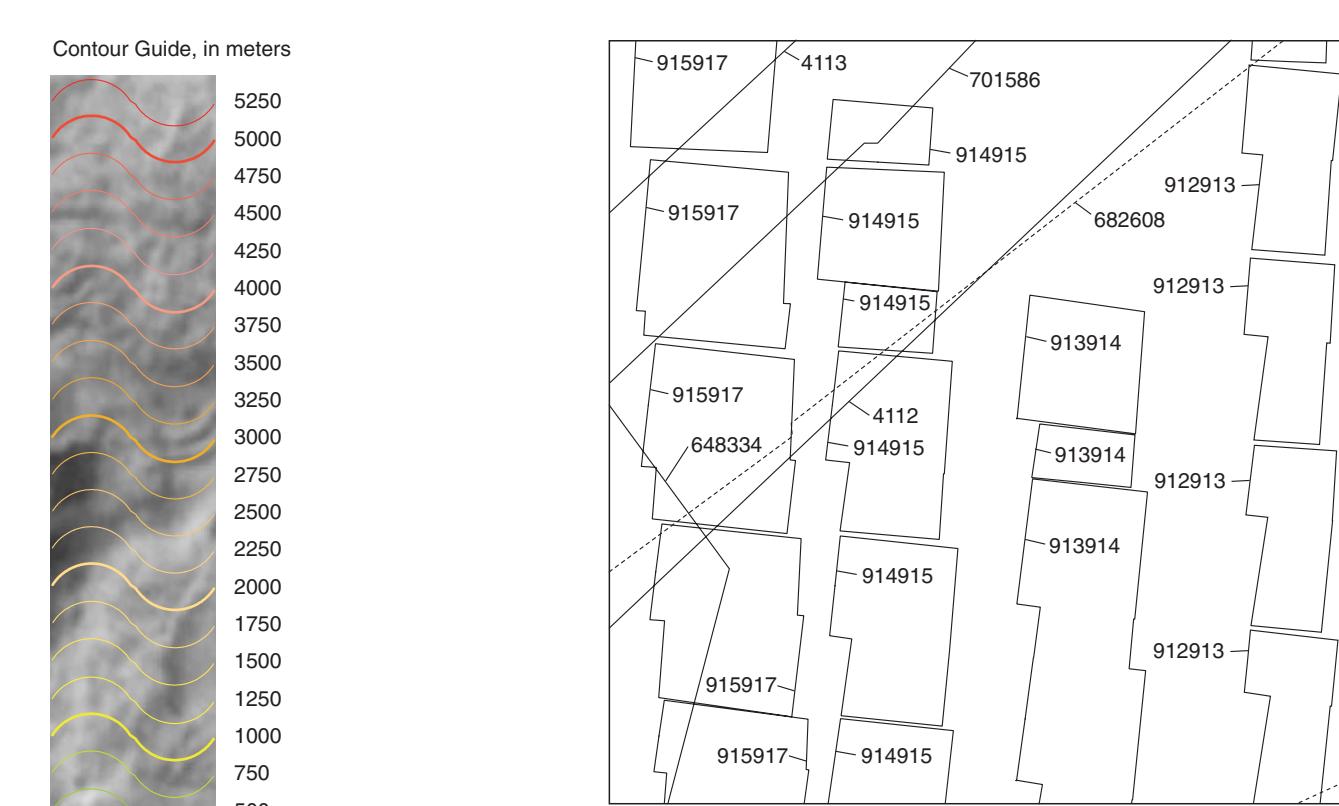
2002), whose vertical error is ±0.960 m. The adopted figure is a nominal scale of 1:500,000.

#### NOMENCLATURE

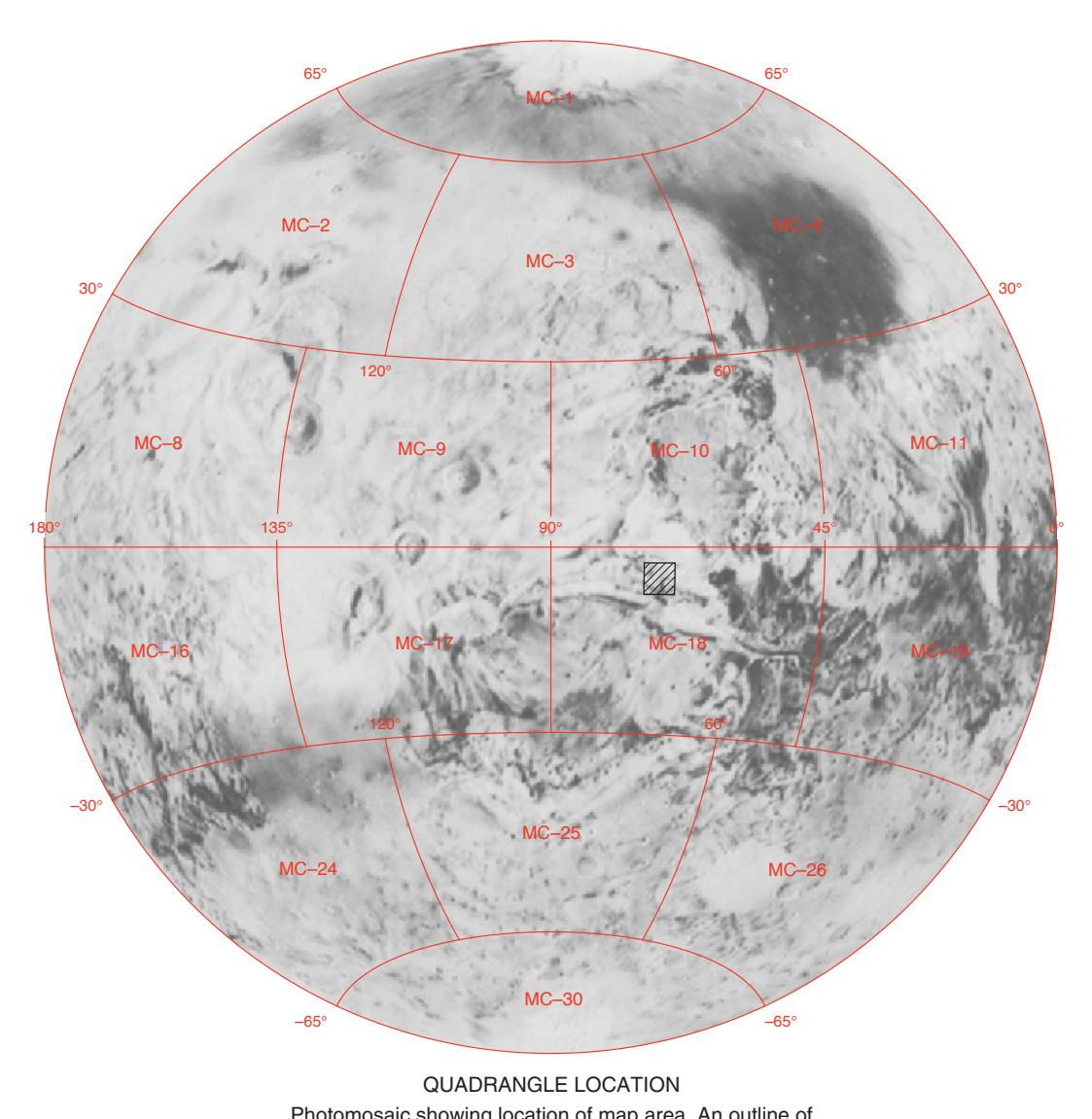
Names on this sheet are approved by the International Astronomical Union (IAU). For a complete list of IAU approved names, see the Gazetteer of Planetary Nomenclature at <http://planetarynames.wr.usgs.gov/nom.html>.

MTM 500k-05/287E: A sheet centered at 290°E (70°W) longitude, 20°S (70°S) latitude, 1:500,000 scale; center of sheet latitude 5°S, longitude 20°S; center of sheet longitude 72.5°W, in planigraphic coordinate system; orthophotomosaic (OM) with color-coded (K) topographic contours and nomenclature (T) (Greeley and Batson, 2001).

IMAGE GUIDE: A list of image pairs used to produce the topographic information for this map. Numbers below correspond to the numbers on the diagram above.



The following is a list of image pairs used to produce the topographic information for this map. Numbers below correspond to the numbers on the diagram above.			
ID	IMAGE PAIR	ID	IMAGE PAIR
915917	065A12-059A22	914412-915A11	912A10-913A13
915A16-917A17	914412-915A09	912A10-913A11	912A09-913A11
915A14-917A15	914A10-915A09	912A09-913A09	912A09-913A09
915A12-917A13	913A16-914A15	913A16-914A15	912A09-913A09
915A12-917A11	913A16-914A13	701586	701A3B-586A08
915A10-917A09	913A14-914A13	682608	682A3D-608A72
915A10-917A07	913A14-914A11	682607	682A3C-608A74
914A16-915A15	913A12-914A11	682A2B-608A72	
914A16-915A13	912913	684334	684A10-334A44
914A14-915A13	912A12-913A15	4112	041A30-012A15
914A14-915A11	912A12-913A13	4113	041A20-013A13



Photomosaic showing location of map area. An outline of 1:5,000,000-scale quadrangles is provided for reference.

#### Topographic Map of the Ophir and Central Candor Chasmata Region of Mars

MTM 500k-05/287E OMKT

By  
 U.S. Geological Survey  
 2004